EXHIBIT A

McGRAW-HILL DICTIONARY OF SCIENTIFIC AND TECHNICAL TERMS

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porphyroskelic

2007年11月20日 18時52分 CGraSOEI PATENT & LAWmary of Porcellanasteridae SCIENTIFIC and TECHNICAL TERMS Sixth Edition

Porcellanasteridae [INV 200] A family of essentially deepwater forms in the suborder Paxillosina. (por sel-a-na'ster-

Porcellanidae [INV 200] The rock sliders, a family of decapod crustaceans of the group Anomura which resemble true crabs but are distinguished by the reduced, chelate fifth pereiopods and the well-developed tail fan. (por-so'lan-a,de) porcellantte (PETR) A hard, dense siliceous rock, such as impure chert or indurated clay or shale. (por'sel-a,nit) porcupine [VERT ZOO] Any of about 26 species of rodents in two families (Hystricidae and Erethizontidae) which have spines or quills in addition to regular hair. { 'por-kyə,pln } porcupine boller [MECH ENG] A boiler having dead end tubes projecting from a vertical shell. { 'por kya,pin boil ar } pore [ASTRON] A very small, dark area on the sun formed by the separation of adjacent flocculi. [BIOL] Any minute opening by which matter passes through a wall or membrane. [GEOL] An opening or channelway in rock or soil. [MET] A minute cavity in a powder compact, metal casting, or electro-

plated coating. { por }
pore compressibility [GEOL] The fractional change in reservoir-rock pore volume with a unit change in pressure upon that rock. { 'por kəm,pres-ə'bil-əd-ē }

pore diameter [DES ENG] The average or effective diameter of the openings in a membrane, screen, or other porous material.

{ 'reobeoma, Ib roq' } pore diffusion [FL MECH] The movement of fluids (gas or liquid) into the interstices of porous solids or membranes; occurs in membrane separation, zeolite adsorption, dialysis, and reverse osmosis. { 'por di,fyii-zhən }

pore-torming protein See perforin. { 'por,form in ,pro,ten } pore fungus [MYCOL] The common name for members of the families Boletaceae and Polyporaceae in the group Hymenomycetes; sporebearing surfaces are characteristically within tubes or pores. { 'por fan gas }

pore ice [HYO] Ice which fills or partially fills pore spaces in permafrost; forms by freezing soil water in place, with no addition of water. { 'por ,īs }

porencephaly [MED] A condition in which the cavity of a lateral ventricle extends to the surface of the cerebral hemisphere; may result from brain tissue destruction or maldevelopment. { por an'sef a le }

pore pressure See neutral stress. { 'por presh ar } pore-size distribution [GBOL] Variations in pore sizes in reservoir formations; each type of rock has its own typical pore size and related permeability. ['pôr,sīz ,dis-tra'byū-shan] pore space [GEOL] The pores in a rock or soil considered collectively. Also known as pore volume. { 'por spas } pore volume See pore space. { 'por ,val-yem } pore-water pressure See neutral stress. { 'por |wod-ar

presh ar) porlaz [METEOROL] Violent northeast winds on the Black Sea near the Bosporus. ['por-e,az]

Porifera [INV 200] The sponges, a phylum of the animal kingdom characterized by the presence of canal systems and chambers through which water is drawn in and released; tissues and organs are absent. (po'rif-o-ro)

Porlezzina [METEOROL] An east wind on Lake Lugano (Italy and Switzerland), blowing from the Gulf of Porlezza. { cn·še'tsi-ròq, }

porocyte [INV 200] One of the perforated, tubular cells which constitute the wall of the incurrent canals in certain Porifera. { 'por-o,sit }

porogamy [BOT] Passage of the pollen tube through the micropyle of an ovule in a seed plant. { po'rag-a-me }

poromeric material [TEXT] A fabric made of polyurethane strengthened by polyester. { 'por·o'me-trik mə'tir-c-əl } porosimeter [ENO] Laboratory compressed-gas device used for measurement of the porosity of reservoir rocks. { ,por-

porosis [MED] Condition characterized by increased poros-

ity, as of bone. (po'ro-sos) porosity [Pfrys] 1. Property of a solid which contains many minute channels or open spaces. 2. The fraction as a percent of the total volume occupied by these channels or spaces; for example, in petroleum engineering the ratio (expressed in percent) of the void space in a rock to the bulk volume of that

rock. (po'räs-od-ē) porosity 1981 [PETRO ENG] Reservoir porosity fraction multiplied by net pay in feet, where porosity fraction is the portion of the reservoir that is porous, and net pay is the depth and areal extent of the hydrocarbons-containing reservoir. { pa'räs-ad-e 'fet }

porosity trap See stratigraphic trap. (pa'ras ad e trap) porous [MATER] 1. Filled with pores. 2. Capable of absorbing liquids. { 'por-2s }

porous alum See aluminum sodium sulfate. ('por as 'al am) porous bearing (DES ENG) A bearing made from sintered metal powder impregnated with oil by a vacuum treatment. ('por as 'ber in)

porous carbon [MATER] Plates, tubes, or disks of uniform carbon particles pressed together without a binder, used for the filtration of corrosive liquids and gases. ('por as 'kar ban) porous graphite [MATER] Plates, tubes, or disks of uniform graphite particles pressed together without a binder, more resistant to oxidation but lower in strength than porous carbon. ('pôr-əs 'gra,fit)

porous metals [MET] Metals, made by powder metallurgy, having uniformly distributed controlled pore sizes, in the form of sheets, tubes, and shapes; used for filtering liquids and gases at elevated temperatures. ['por os 'med olz]

porous mold [ENG] A plastic-forming mold made from bonded or fused aggregates (such as powdered metal or coarse pellets) so that the resulting mass contains numerous open interstices through which air or liquids can pass. ['por-as

porous reservoir model [PETRO ENG] Scaled laboratory model of porous reservoir used for the study of reservoir areal waterflood efficiencies. { 'por es 'rez ev, war mad el }

porous wheel [DES ENG] A grinding wheel having a porous structure and a vitrified or resinoid bond. { 'por-as 'wel } Poroxylacese [PALEOBOT] A monogeneric family of extinct plants included in the Cordaitales. { pa,rak-sa'las-e,e }

porpezite [MINERAL] A mineral consisting of a native alloy of palladium (5-10%) and gold. Also known as palladium gold. ('por pə,zit }

porphin [BIOCHEM] A heterocyclic ring consisting of four pyrrole rings linked by methine (-CH=) bridges; the basic structure of chlorophyll, hemoglobin, the cytochromes, and

certain other related substances. { 'por-fən } porphobilinogen [BIOCHEM] $C_{10}H_{14}O_4N_2$ Dicarboxylic acid derived from pyrrole; a product of hemoglobin breakdown that gives the urine a Burgundy-red color. { 'por-fo-ba'lina-jan |

porphrite See porphyry. { 'por,frit } porphyria [MED] A usually hereditary, pathologic disorder of porphyrin metabolism characterized by porphyrinuria and

photosensitivity. { por'fir-e-> } porphyrin [BIOCHEM] A class of red-pigmented compounds with a cyclic tetrapyrrolic structure in which the four pyrrole rings are joined through their α-carbon atoms by four methene bridges (=C-); the porphyrins form the active nucleus of

chlorophylls and hemoglobin. ['por-fo-ran'] porphyrinuria [MED] The excretion of large quantities of porphyrin in the urine. (por fo ro'nyur & o)

porphyritic [PETR] Pertaining to or resembling porphyry. { |por-fa|rid-ik }

porphyroblast [PETR] A relatively large crystal formed in a metamorphic rock. { por fir a blast }
porphyroblastic [PETR] Pertaining to the texture of recrys-

tallized metamorphic rock having large idioblasts of minerals possessing high form energy in a finer-grained crystalloblastic matrix. (porffir-ə blas tik)

porphyrocrystatile See porphyrotopic. | porfir o kri'stal-

porphyroclastic structure See mortar structure. (por firōklas tik 'strok chor }-

porphyrogranultic [PETR] Referring to ophitic texture characterized by large phenocrysts of feldspar and augite of olivine in a groundmass of smaller lath-shaped feldspar crystals and irregular angite grains; a combination of porphyritic and intergranular textures. { por fir o gran yo'lid ik }

porphyroid [PETR] 1. A blastoporphyritic, or sometimes perphyroblastic, metamorphic rock of igneous origin. 2. A feldspathic metasedimentary rock having the appearance of a porphyry. { 'por fa, roid }

porphyroskelic [GEOL] Pertaining to an arrangement in a soil fabric whereby the plasma occurs as a dense matrix in

PORCUPINE



The Candian porcupine (Erethizon dorsatum), about 31/4 feet (1 meter)

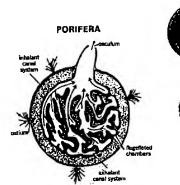


Diagram of the canal system of a young fresh-water sponge.